

# ALABAMA DEPARTMENT OF TRANSPORTATION

## THE MECHANICAL CONVECTION OVEN SHALL BE IN COMPLIANCE WITH AASHTO T 245

Work space dimensions, approximately: 25.5" w x 30" d x 24" h

Outside dimensions, approximately: 33" w x 34" d x 35.5" h

Minimum capacity: 10 cubic feet

Temperature range capable of 38 - 232°C

Temperature uniformity:  $\pm 1\%$

Insulation: mineral wool insulation

Doors: single or double gasket doors

Hinges: piano type door hinges

Oven uniformity:  $\pm 3.0^{\circ}\text{C}$  at  $100.0^{\circ}\text{C}$  to  $\pm 4.0^{\circ}\text{C}$  at  $200^{\circ}\text{C}$

Rise time: 9 minutes at  $100.0^{\circ}\text{C}$  to 35 minutes at  $200^{\circ}\text{C}$

Control uniformity:  $\pm 2.0^{\circ}\text{C}$  at  $100.0^{\circ}\text{C}$  to  $\pm 2.0^{\circ}\text{C}$  at  $200^{\circ}\text{C}$

Oven electrical: 16 amps, 1920 watts, 115/120 volt, 60 cycles maximum

Ports and vents. Adjustable intake left side; exhaust, top right, minimum 1.75" diameter.

Minimum 6' power cord must be included

### **Safety equipment-electric oven**

Adjustable, thermocouple actuated, manual reset excess temperature controller- high/low heat switch

### **Construction**

Side to side horizontal air flow specifically adapted for shelf processing

Interior: Aluminized steel interior

Exterior: Hard Powder Coated Steel

Integrated welded construction

Silicone rubber door gasket

Chrome plated wire adjustable shelves on 1 1/2 center

Channel shelf supports prevent shelves tipping

Fan forced air circulation

Adjustable intake left side; exhaust, top right

### **Warranty**

Full 18 month guarantee

All oven including accessories shall be new.